

Interests

- Natural Language Processing
- Data Science
- Computational Linguistics
- Transfer Learning
- Big Data

About

I am a Computer Scientist and Engineer with my main concentration on developing efficient solutions for Large-Scale Data Mining and Natural Language Processing.



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Education

- B.Sc. of Computer Engineering at Amirkabir University of Technology (**Honors**) (2016-2020)
 - GPA: 17.57/20 (Equivalent to **3.76/4** according to the [McGill international grade equivalency](#))
 - **Among Top 10% Students** of Computer Engineering 2016 Entrance (Among ~150 Students)
 - Artificial Intelligence Concentration
- Diploma of Mathematics at Farzanegan (**Exceptional Talents**) High School (**Honors**) (2012-2016)
 - GPA: 19.87/20 (Equivalent to **4/4**)

Notable Achievements

- Member of **Iranian National Elites Foundation** (2021)
- **First Place** in a National **Artificial Intelligence (Rahneshan)** Contest (2021)
- Ranked Among **Top 10% Students of Computer Engineering Faculty** (~150 Students) (2016-2020)
- **Ranked 302** in 2016 National University Entrance Exam (Among 162979 Participants) (2016)
- **Ranked the Best Student** During All Years of High School (~50 students) (2012-2016)
- **First Place** in Ragional Algebra Olympiad (2014-2016)

Related Outstanding Courses

Course	Grade	Course	Grade
Applied Linear Algebra	18.29/20 (A+)	B.Sc. Project (NLP)	19.75/20 (A+)
Statistics and Probabilities	18.25/20 (A+)	Data Mining	20/20 (A+)
Linear Optimization	17.4/20 (A)	Information Retrieval	16.9/20 (A)
Discrete Mathematics	17.5/20 (A)	Principles of Computing	17.25/20 (A)
Data Structures and Algorithms	17.9/20 (A)	Advanced Computer Programming	18/20 (A+)
Algorithm Design	19.75/20 (A+)	Operating Systems + Lab	17.1/20 (A)
Signals and Systems	16/26 (A)	Database Design + Lab	19.2/20 (A+)
Multicore (GPU) Programming	PASS (PASS)	Software Engineering I	18.5/20 (A+)
Logic Circuits + Lab	16.8/20 (A)	Computational Intelligence	16/20 (A)
Computer Architecture + Lab	18.87/20 (A+)	Artificial Intelligence	15.12/20 (B+)

Publications

- Classification of Persian Tweets using neural networks (Winter 2019 - Fall 2020)
 - B.Sc. Project - Under the supervision of Dr. Mohammad Rahmati

Skills and Knowledge



Programming

Python Programming **[confident]**
C/C++ Programming **[familiar]**
Java Programming **[familiar]**
Data Structures **[familiar]**



Natural Language Processing

Text Mining **[confident]**
Sentiment Analysis **[familiar]**
Text Classification **[confident]**
Speech Recognition **[familiar]**



Artificial Intelligence

Machine Learning Basics **[confident]**
RNN/Transformers **[familiar]**
Tensorflow2/Keras **[confident]**
Numpy, Pandas, Matplotlib **[confident]**



Mathematics

Linear Algebra **[confident]**
Probabilities and Statistics **[confident]**
Calculus Basics **[familiar]**
Optimization Basics **[familiar]**



Software Systems

Software Eng. Principles **[familiar]**
Linux and Bash Scripting **[familiar]**
Database (PostgreSQL) **[confident]**
Elastic Search **[confident]**



Other Notable Skills

Latex **[familiar]**
Image Processing (OpenCV) **[familiar]**
Parallel Processing (MPI/openMP) **[familiar]**
HTML/CSS/Wordpress **[familiar]**

Work Experience

- Data Scientist at Digikala Company (**Sep 2021 - Current**)
 - Largest e-commerce company in the **Middle East** with more than **40 Millions** active users
 - Working on Large-Scale NLP and Data Mining solutions
- Data Scientist at PDN (Data Mining) Company (**Jun 2019 - Jan 2020**)
 - Worked on NLP for text-mining and fraud detection
 - Worked on Time-Series prediction for stock markets

Notable Teaching Experience

- Teaching Assistant of Linear Algebra Course (**Amirkabir University**) (**Fall 2018**)
 - Preparing homework and presenting problem solving classes
- High School Academic Advisor (**Farzanegan High School**) (**October 2018 – April 2019**)
 - Curriculum planning and motivational counseling
- High School Physics Instructor (**Farzanegan High School**) (**October 2016 - April 2017**)
 - Teaching Physics to Fourth grade high school students

Notable Projects

- Classification of Persian Tweets using neural networks (**Python, Tensorflow/Keras**) (**2020**)
- Sentiment analysis of Persian Tweets (**PyLucene, Python**) (**2019**)
- Implementation of a Persian search engine (**Python**) (**2019**)
- Subject segmentation of a formal newspaper (**Python, Elastic Search**) (**2019**)
- Online chain store database design (**SQL**) (**2018**)
- Railway database design (**PostgreSQL**) (**2018**)
- UDP/TCP client-server chat application (**Python**) (**2018**)